

-43.4668°

170.1882°

# Monthly Intelsat ESO Update

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# Comparing Phase 1 and Phase 2

## Phase 1 Accomplishments

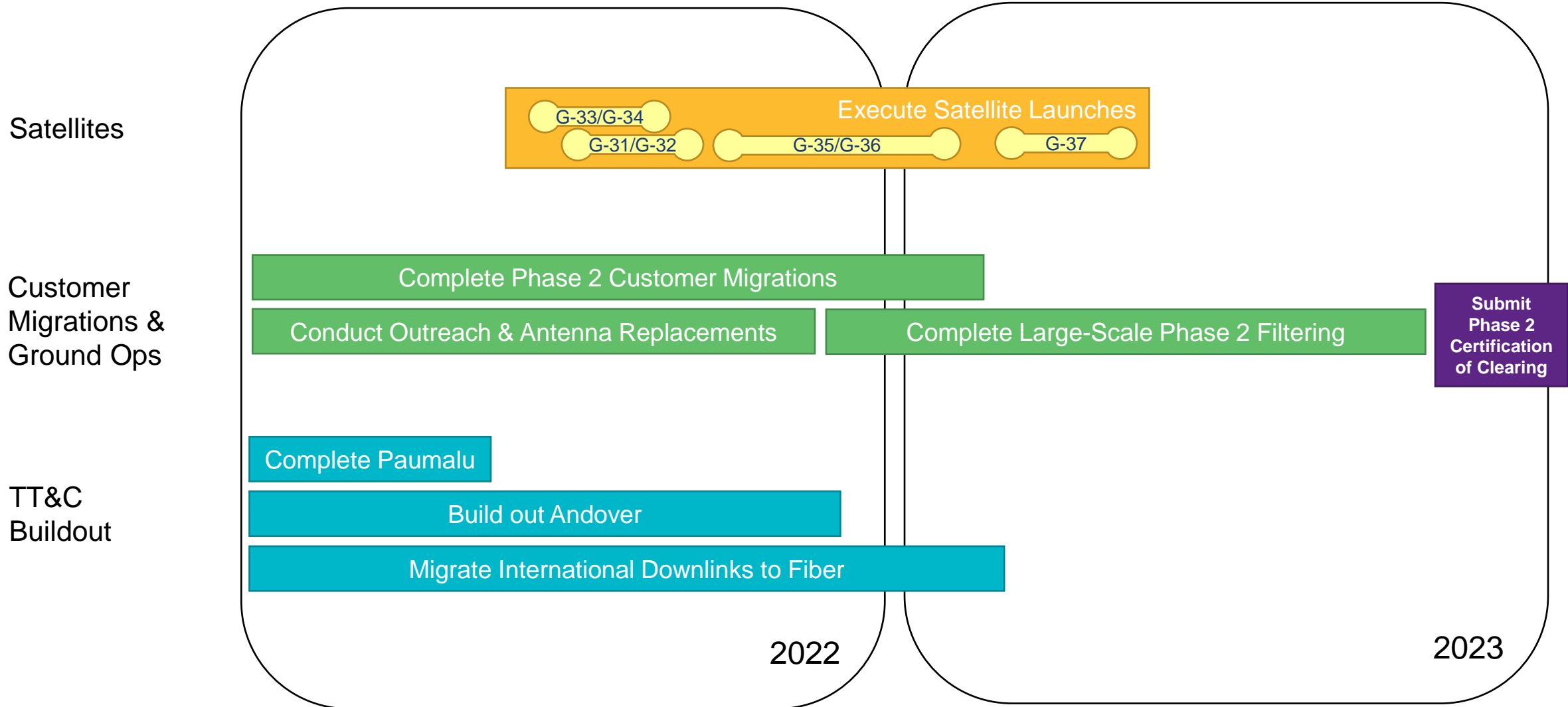
- ✓ **120 MHz cleared** across the Galaxy fleet
- ✓ **70+ services migrated** to upper 380 MHz
- ✓ **5 customers compressed** some (or all) of their services
- ✓ **7000 IRDs installed** at customer affiliates for Phase 1
- ✓ **275 Rx antennas** installed throughout the country
- ✓ **5000 filters** at 575 sites installed
- ✓ **Brewster teleport** and antennas up and operational

## Phase 2 Requirements

- ❑ **Clear 180 MHz** across the Galaxy fleet
- ❑ **Migrate 63 customer services** to upper 200 MHz
- ❑ **Compress some or all of 8 customer's services**
- ❑ **Ship and have installed 22,000 IRDs** at MVPDs/affiliates
- ❑ Replace or build **150 – 200 antenna**
- ❑ **Install 13,000 filters** at 1,350 sites (350 sites already completed)
- ❑ Build out and operationalize **Andover teleport TT&C and customer services**
- ❑ **Build and launch 7 satellites via 4 launches**

Did I mention Phase 3?

# Phase 2 Timeline



# Transitions beginning/ending in the next 6 months



Start	Duration (Days)	End	Change	Customer	Sat-Trx Start	Lower Freq. (MHz)	Upper Freq. (MHz)	Sat-Trx End	Lower Freq. (MHz)	Upper Freq. (MHz)	Technology
01-Apr-21	90	30-Jun-21	S, F	Disney	G-17 17C	4022	4058	G-30 11C	3902	3938	
01-Apr-21	90	30-Jun-21	C, S, P, F	Disney	G-30 14C	3962	3998	G-18 24C	4162	4198	HEVC
01-Apr-21	90	30-Jun-21	F	Overon	G-23 24C	4162	4198	G-23 22C	4122	4158	
01-May-21	122	31-Aug-21	C	FoxCorp	G-16 19C	4062	4098	G-16 19C	4062	4098	HEVC
01-May-21	122	31-Aug-21	C	FoxCorp	G-3C 18C	4042	4078	G-3C 18C	4042	4078	HEVC
01-May-21	122	31-Aug-21	C	FoxCorp	G-3C 19C	4062	4098	G-3C 19C	4062	4098	HEVC
01-Jul-21	90	29-Sep-21	C	Disney	G-18 22C	4122	4158	G-18 22C	4122	4158	HEVC
01-Jul-21	90	29-Sep-21	C, S, P, F	Disney	G-30 09C	3862	3898	G-18 23C	4142	4178	HEVC
01-Jun-21	210	28-Dec-21	C, F	Discovery	G-13 22C	4122	4158	G-13 24C	4162	4198	AVC
01-Oct-21	90	30-Dec-21	C, S, F	Disney	G-30 07C	3822	3858	G-18 22C	4122	4158	HEVC
10-Oct-21	90	31-Dec-21	C, S, F	Sinclair	G-13 13C	3942	3978	G-17 08C	3842	3878	HEVC
06-Dec-21	30	05-Jan-22	F	FoxCorp	G-15 10C	3882	3918	G-15 24C	4162	4198	HEVC
06-Dec-21	30	05-Jan-22	F	The SPACECONNECTION	G-19 07C	3822	3858	G-19 17C	4022	4058	
06-Dec-21	30	05-Jan-22	F	Tri-STATE Christian TV	G-17 14C	3962	3998	G-17 18C	4042	4078	
06-Dec-21	30	05-Jan-22	F	US Government	G-16 10C	3882	3918	G-16 24C	4162	4198	
06-Dec-21	60	04-Feb-22	P, F	Globecast	G-19 13C	3942	3978	G-19 18C	4042	4078	
05-Jan-22	30	04-Feb-22	F	PROLASA	G-19 15C	3982	4018	G-19 17C	4022	4058	
06-Dec-21	60	04-Feb-22	P, F	Shepherd's Chapel	G-16 16C	4002	4038	G-16 15C	3982	4018	
06-Dec-21	60	04-Feb-22	P, F	United Teleports Inc.	G-19 10C	3882	3918	G-19 17C	4022	4058	
01-Oct-21	90	28-Feb-22	C	ViacomCBS	G-19 19C	4062	4098	G-19 19C	4062	4098	HEVC
01-Oct-21	90	28-Feb-22	C	ViacomCBS	G-19 20C	4082	4118	G-19 20C	4082	4118	HEVC
01-Oct-21	90	28-Feb-22	C,F	ViacomCBS	G-19 21C	4102	4138	G-19 19C	4062	4098	HEVC
06-Dec-21	90	06-Mar-22	S, F	Comcast/NBC-U	G-17 07C	3822	3858	G-18 20C	4082	4118	
06-Dec-21	90	06-Mar-22	S, F	LinkUp	G-3C 08C	3842	3878	G-19 17C	4022	4058	
06-Dec-21	90	06-Mar-22	S, F	Nexstar	G-30 13C	3942	3978	G-18 18C	4042	4078	
06-Dec-21	90	06-Mar-22	S, F	The SPACECONNECTION	G-28 15C	3962	3998	G-19 17C	4022	4058	
29-Dec-21	90	29-Mar-22	C	Encompass	G-13 23C	4142	4178	G-13 23C	4142	4178	AVC
04-Jan-22	90	04-Apr-22	C, P, F	Encompass	G-13 13C	3942	3978	G-13 22C	4122	4158	AVC
04-Jan-22	90	04-Apr-22	C, S, P, F	Encompass	G-30 10C	3882	3918	G-13 22C	4122	4158	AVC
05-Apr-22	0	05-Apr-22	P, F	GCI Restoration	G-13 18C	4042	4078	G-13 13C	3942	3978	
05-Feb-22	60	06-Apr-22	P, F	Encompass	G-19 12C	3922	3958	G-19 15C	3982	4018	
05-Feb-22	90	06-May-22	S, F	The SPACECONNECTION	G-3C 10C	3882	3918	G-16 16C	4002	4038	
05-Feb-22	90	06-May-22	S, F	The SPACECONNECTION	G-3C 14C	3962	3998	G-16 18C	4042	4078	
06-Dec-21	90	30-May-22	C, F	Starz	G-13 09C	3862	3898	G-13 17C	4022	4058	HEVC
06-Dec-21	90	30-May-22	C, F	Starz	G-13 15C	3982	4018	G-13 17C	4022	4058	HEVC
06-Dec-21	90	30-May-22	C, F	Starz	G-15 08C	3842	3878	G-15 20C	4082	4118	HEVC
06-Dec-21	90	30-May-22	C, F	Starz	G-15 14C	3962	3998	G-15 20C	4082	4118	HEVC

- Discovery, LinkUp, Tri-State Christian, United teleports all completed their transitions
- Disney and Sinclair (Tennis and Marquee) to be completed by the end of year
- Viacom/CBS compression underway – starting with affiliates
- Starz dual illumination has begun and is expected to wrap up by end of March

# What to expect from Intelsat in the new year



1. Outreach to non-top 46 PEAs sites
  - We will be assessing things like antenna needs, antenna counts, validating contacts and addresses
2. Warner Media outreach from Harmonic and IRD shipments
  - Questionnaires have been sent. If you haven't heard from us yet, please reach out.
3. Filtering earlier than you expect it
  - We complete transitions for all satellites other than G-17 in September of next year
  - Given the huge number of filter installs needed, we will be starting early and coming back for G-17
4. Ongoing communication and issue triage through ACA Connects as long as they will have us